

ABSTRACT

An actuator, connectable to and for adjusting a device, comprises a housing having a longitudinal passage extending between first and second ends and defining an opening at or adjacent to the second end, and a spindle supported in the housing and movable longitudinally in the housing passage. The spindle has two oppositely handed, longitudinally spaced threaded first and second portions respectively nearer to the first and second ends of the housing. A first threaded nut fixed relative to the housing is threadedly engaged with the first threaded portion. A handle rotatably mounted at the first end of the housing is coupled to the spindle for rotating the spindle in the first nut and thereby moving the spindle longitudinally relative to the first nut and the housing. A second nut fixed against rotation relative to the housing is threadedly engaged with the second threaded portion of the spindle and, in response to rotation of the spindle by the handle, is movable longitudinally in the housing passage relative to the spindle, in the same direction as movement of the spindle relative to the housing. Connecting means on or of the second nut is connectable, through the opening defined by the housing, to an adjustable device to be adjusted by the actuator. The spindle is rotatable by the handle for adjusting the adjustable device by longitudinal movement, in the same direction, of the spindle relative to the housing and of the second nut relative to the spindle.